

[DEVICE AND METHOD FOR MEASURING JITTER IN PHASE LOCKED LOOPS]

Abstract of Disclosure

A device and method for measuring the jitters of phase locked loop signals. A phase lead or phase lag relationship between an input signal and an output signal of a phase locked loop is found. According to the phase relationship and using multiplexers, a first phase difference signal and a second phase difference signal are re-routed to a subtraction unit and produces a jitter-level output signal. The jitter-level output signal represents the absolute value of the difference of pulse width between the first phase difference signal and the second phase difference signal.